

Europe 5G in Energy and Utilities Market 2022-2032 by Offering (Hardware, Software, Services), Spectrum (Low, Mid, High), Communication Type (FWA, EMBB, MMTC, URLLC), Application, End Use (Electricity, Water, Gas, Others), and Country: Trend Forecast and Growth Opportunity

<https://marketpublishers.com/r/EC71BF03FA4FEN.html>

Date: May 2023

Pages: 118

Price: US\$ 2,805.00 (Single User License)

ID: EC71BF03FA4FEN

Abstracts

Europe 5G in energy and utilities market was valued at \$166.5 million in 2022 and will grow by 36.2% annually over 2022-2032, driven by the advantages and growing rollout of 5G networks, technological advancements, favorable government supports, and the rising deployment of artificial intelligence (AI), smart meters, and IoT-enabled devices in energy and utility industry.

Highlighted with 35 tables and 52 figures, this 118-page report “Europe 5G in Energy and Utilities Market 2022-2032 by Offering (Hardware, Software, Services), Spectrum (Low, Mid, High), Communication Type (FWA, EMBB, MMTC, URLLC), Application, End Use (Electricity, Water, Gas, Others), and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire Europe 5G in energy and utilities market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2020-2022 and provides forecast from 2023 till 2032 with 2022 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following

aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of Europe market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify Europe 5G in energy and utilities market in every aspect of the classification from perspectives of Offering, Spectrum, Communication Type, Application, End Use, and Country.

Based on Offering, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Hardware

Software

Services

Based on Spectrum, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Low-Band

Mid-Band

High-Band

By Communication Type, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Fixed Wireless Access (FWA)

Enhanced Mobile Broadband (EMBB)

Massive Machine-type Communications (MMTC)

Ultra-reliable Low-latency Communication (URLLC)

By Application, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Remote Monitoring

Energy Distribution

Smart Home Applications

Climate Monitoring

Maintenance and Supports

By End Use, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Electricity Grid Management

Water and Wastewater Management

Utility Gas Management

Other End Uses

Geographically, the following national/local markets are fully investigated:

Europe 5G in Energy and Utilities Market 2022-2032 by Offering (Hardware, Software, Services), Spectrum (Low,...

Germany

UK

France

Spain

Italy

Netherlands

Rest of Europe (further segmented into Russia, Switzerland, Poland, Sweden, Belgium, Austria, Ireland, Norway, Denmark, and Finland)

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2022-2032. The breakdown of national markets by Communication Type, Application, and End Use over the forecast years are also included.

The report also covers the current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

American Tower

AT&T

Carritech

Cisco Systems

Ericsson

Huawei

Infosys

LG

Microsoft Azure

NEC Corporation

Nokia

Orange

Qualcomm

Samsung

Tech Mahindra

Verizon

Vodafone Limited

ZTE Corporation

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

Contents

1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
 - 1.1.1 Industry Definition
 - 1.1.2 Research Scope
- 1.2 Research Methodology
 - 1.2.1 Overview of Market Research Methodology
 - 1.2.2 Market Assumption
 - 1.2.3 Secondary Data
 - 1.2.4 Primary Data
 - 1.2.5 Data Filtration and Model Design
 - 1.2.6 Market Size/Share Estimation
 - 1.2.7 Research Limitations
- 1.3 Executive Summary

2 MARKET OVERVIEW AND DYNAMICS

- 2.1 Market Size and Forecast
 - 2.1.1 Impact of COVID-19 on World Economy
 - 2.1.2 Impact of COVID-19 on the Market
 - 2.1.3 Impact of Russia-Ukraine Conflict: War Slows Economic Recovery
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

3 SEGMENTATION OF EUROPE MARKET BY OFFERING

- 3.1 Market Overview by Offering
- 3.2 Hardware
- 3.3 Software
- 3.4 Services

4 SEGMENTATION OF EUROPE MARKET BY SPECTRUM

- 4.1 Market Overview by Spectrum
- 4.2 Low-Band

- 4.3 Mid-Band
- 4.4 High-Band

5 SEGMENTATION OF EUROPE MARKET BY COMMUNICATION TYPE

- 5.1 Market Overview by Communication Type
- 5.2 Fixed Wireless Access (FWA)
- 5.3 Enhanced Mobile Broadband (EMBB)
- 5.4 Massive Machine-type Communications (MMTC)
- 5.5 Ultra-reliable Low-latency Communication (URLLC)

6 SEGMENTATION OF EUROPE MARKET BY APPLICATION

- 6.1 Market Overview by Application
- 6.2 Remote Monitoring
- 6.3 Energy Distribution
- 6.4 Smart Home Applications
- 6.5 Climate Monitoring
- 6.6 Maintenance and Supports

7 SEGMENTATION OF EUROPE MARKET BY END USE

- 7.1 Market Overview by End Use
- 7.2 Electricity Grid Management
- 7.3 Water and Wastewater Management
- 7.4 Utility Gas Management
- 7.5 Other End Uses

8 EUROPEAN MARKET 2022-2032 BY COUNTRY

- 8.1 Overview of European Market
- 8.2 Germany
- 8.3 U.K.
- 8.4 France
- 8.5 Spain
- 8.6 Italy
- 8.7 Netherlands
- 8.8 Rest of European Market

9 COMPETITIVE LANDSCAPE

9.1 Overview of Key Vendors

9.2 New Product Launch, Partnership, Investment, and M&A

9.3 Company Profiles

American Tower

AT&T

Carritech

Cisco Systems

Ericsson

Huawei

Infosys

LG

Microsoft Azure

NEC Corporation

Nokia

Orange

Qualcomm

Samsung

Tech Mahindra

Verizon

Vodafone Limited

ZTE Corporation

RELATED REPORTS

List Of Tables

LIST OF TABLES:

Table 1. Snapshot of Europe 5G in Energy and Utilities Market in Balanced Perspective, 2022-2032

Table 2. World Economic Outlook, 2021-2031

Table 3. World Economic Outlook, 2021-2023

Table 4. Scenarios for Economic Impact of Ukraine Crisis

Table 5. Comparison of Leading 5G Carriers, Dec 2022

Table 6. Significance Spectrum Band of 5G in Common Use Cases

Table 7. Main Product Trends and Market Opportunities in Europe 5G in Energy and Utilities Market

Table 8. Europe 5G in Energy and Utilities Market by Offering, 2022-2032, \$ mn

Table 9. Europe 5G in Energy and Utilities Market by Spectrum, 2022-2032, \$ mn

Table 10. Europe 5G in Energy and Utilities Market by Communication Type, 2022-2032, \$ mn

Table 11. Europe 5G in Energy and Utilities Market by Application, 2022-2032, \$ mn

Table 12. Europe 5G in Energy and Utilities Market by End Use, 2022-2032, \$ mn

Table 13. Europe 5G in Energy and Utilities Market by Country, 2022-2032, \$ mn

Table 14. Germany 5G in Energy and Utilities Market by Communication Type, 2022-2032, \$ mn

Table 15. Germany 5G in Energy and Utilities Market by Application, 2022-2032, \$ mn

Table 16. Germany 5G in Energy and Utilities Market by End Use, 2022-2032, \$ mn

Table 17. U.K. 5G in Energy and Utilities Market by Communication Type, 2022-2032, \$ mn

Table 18. U.K. 5G in Energy and Utilities Market by Application, 2022-2032, \$ mn

Table 19. U.K. 5G in Energy and Utilities Market by End Use, 2022-2032, \$ mn

Table 20. France 5G in Energy and Utilities Market by Communication Type, 2022-2032, \$ mn

Table 21. France 5G in Energy and Utilities Market by Application, 2022-2032, \$ mn

Table 22. France 5G in Energy and Utilities Market by End Use, 2022-2032, \$ mn

Table 23. Spain 5G in Energy and Utilities Market by Communication Type, 2022-2032, \$ mn

Table 24. Spain 5G in Energy and Utilities Market by Application, 2022-2032, \$ mn

Table 25. Spain 5G in Energy and Utilities Market by End Use, 2022-2032, \$ mn

Table 26. Italy 5G in Energy and Utilities Market by Communication Type, 2022-2032, \$ mn

Table 27. Italy 5G in Energy and Utilities Market by Application, 2022-2032, \$ mn

Table 28. Italy 5G in Energy and Utilities Market by End Use, 2022-2032, \$ mn

Table 29. Netherlands 5G in Energy and Utilities Market by Communication Type, 2022-2032, \$ mn

Table 30. Netherlands 5G in Energy and Utilities Market by Application, 2022-2032, \$ mn

Table 31. Netherlands 5G in Energy and Utilities Market by End Use, 2022-2032, \$ mn

Table 32. 5G in Energy and Utilities Market in Rest of Europe by Country, 2022-2032, \$ mn

Table 33. American Tower: Company Snapshot

Table 34. American Tower: Business Segmentation

Table 35. American Tower: Product Portfolio

List Of Figures

LIST OF FIGURES:

Figure 1. Research Method Flow Chart

Figure 2. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 3. Europe Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2022-2032

Figure 4. Europe 5G in Energy and Utilities Market, 2022-2032, \$ mn

Figure 5. Use Cases of 5G in Energy and Utility Industry

Figure 6. Impact of COVID-19 on Business

Figure 7. Primary Drivers and Impact Factors of Europe 5G in Energy and Utilities Market

Figure 8. Advantages of 5G

Figure 9. Comparison of 3G, 4G, and 5G

Figure 10. World 5G Technology Market, 2019-2030, \$ bn

Figure 11. Primary Restraints and Impact Factors of Europe 5G in Energy and Utilities Market

Figure 12. Investment Opportunity Analysis

Figure 13. Porter's Five Forces Analysis of Europe 5G in Energy and Utilities Market

Figure 14. Breakdown of Europe 5G in Energy and Utilities Market by Offering, 2022-2032, % of Revenue

Figure 15. Europe Addressable Market Cap in 2023-2032 by Offering, Value (\$ mn) and Share (%)

Figure 16. Europe 5G in Energy and Utilities Market by Offering: Hardware, 2022-2032, \$ mn

Figure 17. Europe 5G in Energy and Utilities Market by Offering: Software, 2022-2032, \$ mn

Figure 18. Europe 5G in Energy and Utilities Market by Offering: Services, 2022-2032, \$ mn

Figure 19. Breakdown of Europe 5G in Energy and Utilities Market by Spectrum, 2022-2032, % of Sales Revenue

Figure 20. Europe Addressable Market Cap in 2023-2032 by Spectrum, Value (\$ mn) and Share (%)

Figure 21. Europe 5G in Energy and Utilities Market by Spectrum: Low-Band, 2022-2032, \$ mn

Figure 22. Europe 5G in Energy and Utilities Market by Spectrum: Mid-Band, 2022-2032, \$ mn

Figure 23. Europe 5G in Energy and Utilities Market by Spectrum: High-Band,

2022-2032, \$ mn

Figure 24. Breakdown of Europe 5G in Energy and Utilities Market by Communication Type, 2022-2032, % of Sales Revenue

Figure 25. Europe Addressable Market Cap in 2023-2032 by Communication Type, Value (\$ mn) and Share (%)

Figure 26. Europe 5G in Energy and Utilities Market by Communication Type: Fixed Wireless Access (FWA), 2022-2032, \$ mn

Figure 27. Europe 5G in Energy and Utilities Market by Communication Type: Enhanced Mobile Broadband (EMBB), 2022-2032, \$ mn

Figure 28. Europe 5G in Energy and Utilities Market by Communication Type: Massive Machine-type Communications (MMTC), 2022-2032, \$ mn

Figure 29. Europe 5G in Energy and Utilities Market by Communication Type: Ultra-reliable Low-latency Communication (URLLC), 2022-2032, \$ mn

Figure 30. Breakdown of Europe 5G in Energy and Utilities Market by Application, 2022-2032, % of Revenue

Figure 31. Europe Addressable Market Cap in 2023-2032 by Application, Value (\$ mn) and Share (%)

Figure 32. Europe 5G in Energy and Utilities Market by Application: Remote Monitoring, 2022-2032, \$ mn

Figure 33. Europe 5G in Energy and Utilities Market by Application: Energy Distribution, 2022-2032, \$ mn

Figure 34. Europe 5G in Energy and Utilities Market by Application: Smart Home Applications, 2022-2032, \$ mn

Figure 35. Europe 5G in Energy and Utilities Market by Application: Climate Monitoring, 2022-2032, \$ mn

Figure 36. Europe 5G in Energy and Utilities Market by Application: Maintenance and Supports, 2022-2032, \$ mn

Figure 37. Breakdown of Europe 5G in Energy and Utilities Market by End Use, 2022-2032, % of Revenue

Figure 38. Europe Addressable Market Cap in 2023-2032 by End Use, Value (\$ mn) and Share (%)

Figure 39. Europe 5G in Energy and Utilities Market by End Use: Electricity Grid Management, 2022-2032, \$ mn

Figure 40. Europe 5G in Energy and Utilities Market by End Use: Water and Wastewater Management, 2022-2032, \$ mn

Figure 41. Europe 5G in Energy and Utilities Market by End Use: Utility Gas Management, 2022-2032, \$ mn

Figure 42. Europe 5G in Energy and Utilities Market by End Use: Other End Uses, 2022-2032, \$ mn

Figure 43. Breakdown of European 5G in Energy and Utilities Market by Country, 2022 and 2032, % of Revenue

Figure 44. Contribution to Europe 2023-2032 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 45. 5G in Energy and Utilities Market in Germany, 2022-2032, \$ mn

Figure 46. 5G in Energy and Utilities Market in U.K., 2022-2032, \$ mn

Figure 47. 5G in Energy and Utilities Market in France, 2022-2032, \$ mn

Figure 48. 5G in Energy and Utilities Market in Spain, 2022-2032, \$ mn

Figure 49. 5G in Energy and Utilities Market in Italy, 2022-2032, \$ mn

Figure 50. 5G in Energy and Utilities Market in Netherlands, 2022-2032, \$ mn

Figure 51. 5G in Energy and Utilities Market in Rest of Europe, 2022-2032, \$ mn

Figure 52. Growth Stage of Europe 5G in Energy and Utilities Industry over the Forecast Period

I would like to order

Product name: Europe 5G in Energy and Utilities Market 2022-2032 by Offering (Hardware, Software, Services), Spectrum (Low, Mid, High), Communication Type (FWA, EMBB, MMTC, URLLC), Application, End Use (Electricity, Water, Gas, Others), and Country: Trend Forecast and Growth Opportunity

Product link: <https://marketpublishers.com/r/EC71BF03FA4FEN.html>

Price: US\$ 2,805.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/EC71BF03FA4FEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970